



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0179/S-96, REVISION 10

East Building, PHH-23
1200 New Jersey Avenue SE
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Series 900 Iridium Capsule.
2. Source Description - Cylindrical single encapsulation made of Type 304L stainless steel and tungsten inert gas or laser welded. Approximate exterior dimensions are 5.2 mm (0.205 in.) in diameter and 15.5 mm (0.611 in.) in length. Inside dimensions vary, but minimum wall thickness is 0.71 mm (0.028 in.). Construction shall be in accordance with attached QSA Global, Inc. Drawing No. 900 CAP, Rev. B.
3. Radioactive Contents - No more than 8.88 TBq (240.0 Ci) of Iridium-192 in solid, metallic form.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on April 30, 2013.

¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

CERTIFICATE USA/0179/S-96, REVISION 10


This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the April 03, 2008 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



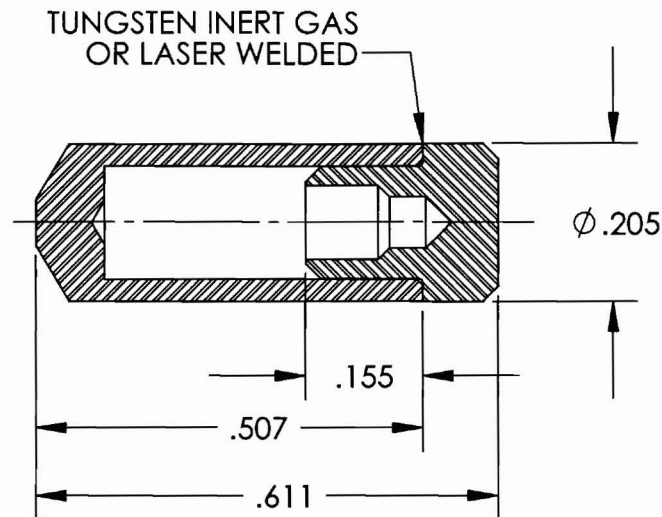
Apr 21 2008

(DATE)

 Robert A. Richard

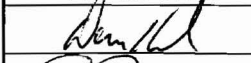


Deputy Associate Administrator for Hazardous Materials Safety

Revision 10 - Issued to extend the expiration date.



NOTES:

1. INTERNAL VOID VOLUME TO BE 0.010 mL OR GREATER
2. MATERIAL: 304L STAINLESS STEEL
3. INNER CAVITY DIMENSIONS MAY VARY. METALLIC SPACERS, SPRINGS AND GUARDS WHICH SECURE AND/OR LOCATE THE RADIOACTIVE MATERIAL WITHIN THE CAPSULE MAY BE USED
4. MINIMUM WALL THICKNESS TO BE 0.028

APPROVALS  		DATE		 QSA GLOBAL 40 NORTH AVE., BURLINGTON, MA 01803	DESCRIPTIVE DRAWING
		7-24-07			
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES: FRACTIONS $\pm 1/8$ X.X ± 0.12 X.XX ± 0.06 X.XXX ± 0.020		TITLE 900 SERIES CAPSULE			
ERF # 1739		SIZE A	DWG. NO. 900 CAP		REV B
		SCALE: NONE		SHEET 1 OF 1	



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

East Building, PHH-23
1200 New Jersey Avenue SE
Washington, D.C. 20590

CERTIFICATE NUMBER: USA/0179/S-96, Revision 10

ORIGINAL REGISTRANT(S):

Ms. Lori Podolak
Product Licensing Specialist
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

Ms. Cathleen Roughan
Director, Regulatory Affairs and QA
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

Mr. Michael Fuller
Regulatory Compliance Associate
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

REGISTERED USER(S):

Mr. R.D. Donny Dicharry
President
Source Production and Equipment Company
113 Teal Street
St. Rose, 70087-9691
USA

Kelly Richardt
Regulatory and Quality Manager
Source Production and Equipment Company
113 Teal St.
St. Rose, 70087
USA

Dusty L. Lowery
Group Leader
Los Alamos National Laboratory
A194
LANL
Los Alamos, NM 87545

Gilbert Torres
Deputy Group Leader
Los Alamos National Laboratory
A194
LANL
Los Alamos, NM 87545

Ms. Cristy Abeyta
Technical Staff Member, Environmental Scientist
Los Alamos National Laboratory
P.O. Box 1663, Mail Stop: J552
Los Alamos National Laboratory
Los Alamos, 87545
USA